

Year Group: 5
Spring

Knowledge Organiser: Science
Theme: Properties and Changes of Materials



Key Learning

When solids and liquids are mixed, there are different ways of separating them.

When changing materials, some changes can be reversed, and some cannot.

Everyday materials can be grouped, based on their properties.





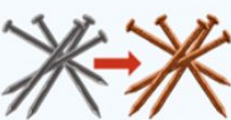

What have I learnt already?

Most visible materials are either solids or liquids.

The names of common materials (rock, wood etc).

The properties of common materials (rock is hard, glass is usually smooth).

Reversible and Irreversible Changes

 Reversible	 Reversible	 Irreversible
 Irreversible	 Reversible	 Irreversible



SOLUTE
Substance dissolving



SOLVENT
Liquid the solute dissolves in



SOLUTION
Solute dissolved in solvent

Key Vocabulary:

Reversible	You can reverse the change, getting back the same initial ingredients
Irreversible	You cannot reverse a change in materials
Soluble	Will dissolve in water
Insoluble	Will not dissolve in water
Dissolve	Will mix with a solid so that it appears to disappear